

1762

DATE: August 30, 2002  
CASE DOCKET NO.: 98-rCLU-363

SERIAL NO.: 09/604,218  
FILED: 6/27/2000  
FOR: FUNCTIONALLY GRADED FRICTION MATERIAL  
APPLICANTS: TULIN K. HIDAYETOGLU  
ART UNIT: 1762  
EXAMINER: E. TSOY  
CONFIRMATION NO.: 4131

THE COMMISSIONER OF PATENTS  
AND TRADEMARKS  
WASHINGTON, D.C. 20231

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Sir:

Transmitted herewith is an **amendment** in the above-identified application.

☐ No additional fee is required

The fee has been calculated as shown below:

	(Col. 1) CLAIMS REMAINING AFTER AMENDMENT	(Col. 2) HIGHEST NO. PREVIOUSLY PAID FOR	(Col. 3) PRESENT EXTRA	RATE	ADD'L. FEE
TOTAL	* 19	- ** 19	= 0	X \$18.00	= \$0.00
INDEP.	* 2	- *** 2	= 0	X \$80.00	= \$0.00
	FIRST PRESENTATION OF MULTIPLE DEP. CLAIM			+ \$270.00	= \$0.00
				TOTAL	\$0.00

- \* If the entry in Col. 1 is less than the entry in Col. 2, write "0" in Col. 3.  
 \*\* If the "highest Number Previously Paid For" IN THIS SPACE is less than 20, write "20" in this space.  
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- ☐ Please charge my Deposit Account No. 05-0275 in the amount of **\$0.00**. A duplicate copy of this sheet is attached.
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- ☒ Any filing fees under 37 CFR 1.16 for the presentation of extra claims.  
 Any patent application processing fees under 37 CFR 1.17.

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Serial No. 09/604,218

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

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Sir:

**AMENDMENT**

In response to the Office Action mailed June 4, 2002, please amend the above-identified patent application as follows.

**IN THE CLAIMS**

Please rewrite claim 1 as set forth below in clean form.

1. **(Three Times Amended)** A friction material with improved wear resistance and thermal conductivity, comprising:

a functionally graded material including a composite material having heat and wear resistant fibers with a varying concentration therein impregnated with a resin; and

a plurality of heat conducting elements situated within said functionally graded material in a selected orientation and spatial distribution with a varying concentration, wherein said functionally graded material is constructed for engagement with a cooperating movable member, said functionally graded material including a first friction surface constructed for such engagement and a second non-engaging surface, said varying concentration of said heat conducting elements decreasing in

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